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## RAW SEQUENCE LISTING

DATE: 03/11/2002 \

PATENT APPLICATION: US/09/559,021A

TIME: 09:51:12

Input Set : A:\Mirus.014.02.ST25.txt

Output Set: N:\CRF3\03112002\I559021A.raw

#15

3 <110> APPLICANT: WOLFF, JON  
 4 SOKOLOFF, ALEXANDER  
 6 <120> TITLE OF INVENTION: PROCESS FOR UTILIZING EPITOPES RECOGNIZED BY NATURAL  
 ANTIBODIES

8 <130> FILE REFERENCE: MIRUS.014.02  
 10 <140> CURRENT APPLICATION NUMBER: 09/559021A  
 11 <141> CURRENT FILING DATE: 2000-04-27  
 13 <160> NUMBER OF SEQ ID NOS: 125  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 11  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Bacteriophage T7  
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 29 <211> LENGTH: 27  
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 31 <213> ORGANISM: Bacteriophage T7  
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 36 1 5 10 15  
 39 Arg Gln Ser Gly Arg Gly Lys Ser Ser Arg Pro  
 40 20 25  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 23  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Bacteriophage T7  
 48 <400> SEQUENCE: 3  
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 51 1 5 10 15  
 54 Lys Leu Ala Ala Ala Leu Glu  
 55 20  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 8  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Bacteriophage T7  
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 66 1 5  
 69 <210> SEQ ID NO: 5  
 70 <211> LENGTH: 343  
 71 <212> TYPE: PRT

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72 &lt;213&gt; ORGANISM: Bacteriophage T7

74 &lt;400&gt; SEQUENCE: 5

76 Met Ala Ser Met Thr Gly Gly Gln Gln Met Gly Thr Asn Gln Gly Lys

77 1 5 10 15

80 Gly Val Val Ala Ala Gly Asp Lys Leu Ala Leu Phe Leu Lys Val Phe

81 20 25 30

84 Gly Gly Glu Val Leu Thr Ala Phe Ala Arg Thr Ser Val Thr Thr Ser

85 35 40 45

88 Arg His Met Val Arg Ser Ile Ser Ser Gly Lys Ser Ala Gln Phe Pro

89 50 55 60

92 Val Leu Gly Arg Thr Gln Ala Ala Tyr Leu Ala Pro Gly Glu Asn Leu

93 65 70 75 80

96 Asp Asp Lys Arg Lys Asp Ile Lys His Thr Glu Lys Val Ile Thr Ile

97 85 90 95

100 Asp Gly Leu Leu Thr Ala Asp Val Leu Ile Tyr Asp Ile Glu Asp Ala

101 100 105 110

104 Met Asn His Tyr Asp Val Arg Ser Glu Tyr Thr Ser Gln Leu Gly Glu

105 115 120 125

108 Ser Leu Ala Met Ala Ala Asp Gly Ala Val Leu Ala Glu Ile Ala Gly

109 130 135 140

112 Leu Cys Asn Val Glu Ser Lys Tyr Asn Glu Asn Ile Glu Gly Leu Gly

113 145 150 155 160

116 Thr Ala Thr Val Ile Glu Thr Thr Gln Asn Lys Ala Ala Leu Thr Asp

117 165 170 175

120 Gln Val Ala Leu Gly Lys Glu Ile Ile Ala Ala Leu Thr Lys Ala Arg

121 180 185 190

124 Ala Ala Leu Thr Lys Asn Tyr Val Pro Ala Ala Asp Arg Val Phe Tyr

125 195 200 205

128 Cys Asp Pro Asp Ser Tyr Ser Ala Ile Leu Ala Ala Leu Met Pro Asn

129 210 215 220

132 Ala Ala Asn Tyr Ala Ala Leu Ile Asp Pro Glu Lys Gly Ser Ile Arg

133 225 230 235 240

136 Asn Val Met Gly Phe Glu Val Val Glu Val Pro His Leu Thr Ala Gly

137 245 250 255

140 Gly Ala Gly Thr Ala Arg Glu Gly Thr Thr Gly Gln Lys His Val Phe

141 260 265 270

144 Pro Ala Asn Lys Gly Glu Gly Asn Val Lys Val Ala Lys Asp Asn Val

145 275 280 285

148 Ile Gly Leu Phe Met His Arg Ser Ala Val Gly Thr Val Lys Leu Arg

149 290 295 300

152 Asp Leu Ala Leu Glu Arg Ala Arg Arg Ala Asn Phe Gln Ala Asp Gln

153 305 310 315 320

156 Ile Ile Ala Lys Tyr Ala Met Gly His Gly Gly Leu Arg Pro Glu Ala

157 325 330 335

160 Ala Gly Ala Val Val Phe Gln

161 340

164 &lt;210&gt; SEQ ID NO: 6

165 &lt;211&gt; LENGTH: 9

166 &lt;212&gt; TYPE: PRT

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Input Set : A:\Mirus.014.02.ST25.txt

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172 1 5
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205 1 5 10
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219 His Ser Thr Pro Pro Lys Lys Lys Arg Lys Val Glu Asp Pro Lys Asp
220 20 25 30
223 Phe Pro Ser Glu Leu Leu Ser
224 35
227 <210> SEQ ID NO: 11
228 <211> LENGTH: 38
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232 <400> SEQUENCE: 11
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239 20 25 30
242 Pro Ser Glu Leu Leu Ser
243 35
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247 <211> LENGTH: 32

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Input Set : A:\Mirus.014.02.ST25.txt

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249 <213> ORGANISM: M9 Protein
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258 20 25 30
261 <210> SEQ ID NO: 13
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263 <212> TYPE: PRT
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266 <400> SEQUENCE: 13
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273 <211> LENGTH: 22
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275 <213> ORGANISM: Nucleoplasmin
277 <400> SEQUENCE: 14
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280 1 5 10 15
283 Ala Lys Lys Lys Lys Leu
284 20
287 <210> SEQ ID NO: 15
288 <211> LENGTH: 14
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290 <213> ORGANISM: c-myc
292 <400> SEQUENCE: 15
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295 1 5 10
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299 <211> LENGTH: 4
300 <212> TYPE: PRT
301 <213> ORGANISM: Bacteriophage T7
303 <400> SEQUENCE: 16
305 Phe Ser Gln Val
306 1
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310 <211> LENGTH: 4
311 <212> TYPE: PRT
312 <213> ORGANISM: endoplasmic reticulum proteins
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316 Lys Asp Glu Leu
317 1
320 <210> SEQ ID NO: 18
321 <211> LENGTH: 4
322 <212> TYPE: PRT
323 <213> ORGANISM: Bacteriophage T7
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Input Set : A:\Mirus.014.02.ST25.txt

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328 1  
331 <210> SEQ ID NO: 19  
332 <211> LENGTH: 8  
333 <212> TYPE: PRT  
334 <213> ORGANISM: Bacteriophage T7  
336 <400> SEQUENCE: 19  
338 Val Val Val Glu Ser Val Pro Lys  
339 1 5  
342 <210> SEQ ID NO: 20  
343 <211> LENGTH: 6  
344 <212> TYPE: PRT  
345 <213> ORGANISM: Bacteriophage T7  
347 <400> SEQUENCE: 20  
349 Ala Arg Pro Val Gln Lys  
350 1 5  
353 <210> SEQ ID NO: 21  
354 <211> LENGTH: 8  
355 <212> TYPE: PRT  
356 <213> ORGANISM: Bacteriophage T7  
358 <400> SEQUENCE: 21  
360 Gln Leu Val Arg Val Ile Ser Arg  
361 1 5  
364 <210> SEQ ID NO: 22  
365 <211> LENGTH: 4  
366 <212> TYPE: PRT  
367 <213> ORGANISM: Bacteriophage T7  
369 <400> SEQUENCE: 22  
371 Gly Arg Leu Lys  
372 1  
375 <210> SEQ ID NO: 23  
376 <211> LENGTH: 5  
377 <212> TYPE: PRT  
378 <213> ORGANISM: Bacteriophage T7  
380 <400> SEQUENCE: 23  
382 Ala Phe Thr Asn Lys  
383 1 5  
386 <210> SEQ ID NO: 24  
387 <211> LENGTH: 6  
388 <212> TYPE: PRT  
389 <213> ORGANISM: Bacteriophage T7  
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397 <210> SEQ ID NO: 25  
398 <211> LENGTH: 7  
399 <212> TYPE: PRT  
400 <213> ORGANISM: Bacteriophage T7  
402 <400> SEQUENCE: 25

VERIFICATION SUMMARY

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